CLAIMS

What is claimed is:

1. A computer-implemented method comprising:

receiving, at an application server, a Web service archive including

a Web service implementation, and

a Web service deployment descriptor to describe a configuration of the Web service implementation on the application server; and

deploying a Web service to a container on the application server based, at least in part, on the received Web service archive.

2. The method of claim 1, wherein the Web service archive further includes

a virtual interface to provide an operation of the Web service implementation, and

a Web service definition to specify a behavior of the virtual interface.

3. The method of claim 2, wherein the Web service deployment descriptor comprises:

a Web service deployment descriptor to specify a configuration of the Web service definition.

4. The method of claim 1, further comprising:

registering the deployed Web service with a registry on the application server.

5. The method of claim 5, wherein registering the deployed Web service comprises:

automatically registering the deployed Web service with a Java Naming and Directory Interface (JNDI) of the application server.

6. The method of claim 1, wherein deploying the Web service to the container on the application server comprises:

deploying the Web service to a Web services container on the application server.

7. The method of claim 1, wherein deploying the Web service to the container comprises:

deploying the Web service to a dedicated implementation container.

8. The method of claim 7, wherein the dedicated implementation is an Enterprise Java Bean (EJB) container.

9. The method of claim 7, wherein the dedicated implementation is a servlet container.

10. An application server comprising:

a network interface to connect to a node; and

a processor and logic executable thereon to

receive a Web service archive from the network interface, the Web service archive including

a Web service implementation, and

a Web service deployment descriptor to describe a configuration of the Web service implementation on the application server; and

deploy a Web service to a container on the application server based, at least in part, on the received Web service archive.

11. The application server of claim 10, wherein the received Web service archive further includes

a virtual interface to provide an operation of the Web service implementation, and

a Web service definition to specify a behavior of the defined virtual interface.

12. The application server of claim 11, wherein the Web service deployment descriptor comprises:

a Web service deployment descriptor to specify a configuration of the Web service definition.

13. The application server of claim 10, wherein the processor and logic executable thereon further comprises:

a processor and logic executable thereon to register the deployed Web service with a registry on the application server.

14. The application server of claim 13, wherein the processor and logic executable thereon to register the deployed Web service with a registry on the application server comprises:

a processor and logic executable thereon to automatically register the deployed Web service with a Java Naming and Directory Interface (JNDI) of the application server.

15. The application server of claim 10, further comprising:

a Web services container; and wherein deploying the Web service includes deploying the Web service to the Web services container.

16. The application server of claim 10, further comprising:

a dedicated implementation container; and wherein deploying the Web service includes deploying the Web service to the dedicated implementation container.

17. The application server of claim 16, wherein

the dedicated implementation container is an Enterprise Java Bean (EJB) container; and wherein

deploying the Web service comprises deploying the Web service to the EJB container.

18. The application server of claim 16, wherein

the dedicated implementation container is a servlet container; and wherein

deploying the Web service comprises deploying the Web service to the servlet container.

19. The application server of claim 10, wherein the application server is a Web application server.

20. The application server of claim 19, wherein the Web application server is a Java 2 Enterprise Edition (J2EE) application server.

21. A system comprising:

a means for receiving, at an application server, a Web service archive including

a Web service implementation, and

a Web service deployment descriptor to describe a configuration of the Web service implementation on the application server; and

a means for deploying a Web service to a container on the application server based, at least in part, on the received Web service archive.

22. The system of claim 21, wherein the Web service archive further comprises:

a virtual interface to provide an operation of the Web service implementation, and

a Web service definition to specify a behavior of the defined virtual interface.

23. The system of claim 21, wherein the Web service deployment descriptor comprises:

a Web service deployment descriptor to specify a configuration of the Web service definition.

24. The system of claim 21, further comprising:

a means for automatically registering the deployed Web service with a registry on the application server.

25. The system of claim 24, wherein the means for deploying the Web service to a container on the application server comprises at least one of:

a means for deploying the Web service to a Web service container on the application server; and

a means for deploying the Web service to a dedicated implementation container on the application server.

26. The system of claim 25, wherein the dedicated implementation container is an Enterprise Java Bean (EJB) container.

27. The system of claim 25, wherein the dedicated implementation container is a servlet container.

28. An article of manufacture comprising:

an electronically accessible medium providing instructions that, when executed by an apparatus, cause the apparatus to

receive, at an application server, a Web service archive including

a Web service implementation,

a virtual interface to provide an operation of the Web service implementation,

a Web service definition to specify a behavior of the virtual interface, and

a Web service deployment descriptor to specify a configuration of the Web service definition on the application server; and

deploy a Web service to a container on the application server based, at least in part, on the received Web service archive.

29. The article of manufacture of claim 28, wherein the electronically accessible medium providing instructions that, when executed by an apparatus, further cause the apparatus to

register the deployed Web service with a registry on the application server.

30. The article of manufacture of claim 29, wherein the instructions that, when executed by the apparatus, cause the apparatus to register the deployed Web service include instructions that the cause the apparatus to

automatically register the deployed Web service with a Java Naming and Directory Interface (JNDI) of the application server.

31. The article of manufacture of claim 28, wherein the instructions that, when executed by the apparatus, cause the apparatus to deploy the Web service to the container on the application server include instructions that the cause the apparatus to

deploy the Web service to a Web services container on the application server.

32. The article of manufacture of claim 28, wherein the instructions that, when executed by the apparatus, cause the apparatus to deploy the Web service to the container on the application server include instructions that the cause the apparatus to

deploy the Web service to a dedicated implementation container on the application server.

33. The article of manufacture of claim 32, wherein the instructions that, when executed by the apparatus, cause the apparatus to deploy the Web service to the dedicated implementation container on the application server include instructions that cause the apparatus to

deploy the Web service to an Enterprise Java Bean (EJB) container on the application server.

34. The article of manufacture of claim 32, wherein the instructions that, when executed by the apparatus, cause the apparatus to deploy the Web service to the dedicated implementation container on the application server include instructions that the cause the apparatus to

deploy the Web service to a servlet container on the application server.